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<u> </u>	huma\$5 same (phex\$5 or pex\$5 or xlh\$3 or hyp)	221	<u>L1</u>

END OF SEARCH HISTORY

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Search Results - Record(s) 1 through 10 of 17 returned.

☐ 1. Document ID: US 20030082511 A1

L2: Entry 1 of 17

File: PGPB

May 1, 2003

PGPUB-DOCUMENT-NUMBER: 20030082511

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030082511 A1

TITLE: Identification of modulatory molecules using inducible promoters

PUBLICATION-DATE: May 1, 2003

INVENTOR-INFORMATION:

RULE-47 COUNTRY STATE CITY NAME

US CA San Diego Brown, Steven J. US CA San Diego Dunnington, Damien J. US CA San Diego Clark, Imran

US-CL-CURRENT: 435/4; 435/6

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw Desc

2. Document ID: US 20020177689 A1

Nov 28, 2002 File: PGPB L2: Entry 2 of 17

PGPUB-DOCUMENT-NUMBER: 20020177689

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020177689 A1

TITLE: Compounds for the treatment of sexual dysfunction

PUBLICATION-DATE: November 28, 2002

INVENTOR-INFORMATION:

US-CL-CURRENT: 530/350; 435/320.1, 435/325, 435/69.1, 536/23.2

							F. d	Caguences	Attachments	Claims	KWIC	Draww Desc
Full	Title	Citation	Front	Review	Classification	Date	Reference	Sedactions	Fittaciiii			
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☐ 3. Document ID: US 20020102707 A1

L2: Entry 3 of 17

File: PGPB

Aug 1, 2002

PGPUB-DOCUMENT-NUMBER: 20020102707

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020102707 A1

TITLE: Compounds for the treatment of sexual dysfunction

PUBLICATION-DATE: August 1, 2002

INVENTOR-INFORMATION:

NAME CITY STATE	COUNTRY	RULE-47
	GB	
narrow, ran Johnson	GB	
Beacey, recer	GB	
Walsh, Rodellon Industry	GB	
Wayman, Christopher Peter County of Kent	GB	
Phillips, Stephen Charles County of Kent	GD	

US-CL-CURRENT: $\underline{435}/\underline{226}$; $\underline{435}/\underline{320.1}$, $\underline{435}/\underline{325}$, $\underline{435}/\underline{69.1}$, $\underline{530}/\underline{388.26}$, $\underline{536}/\underline{23.2}$

Full Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawt Desc
Image											

4. Document ID: US 20020086405 A1

L2: Entry 4 of 17

File: PGPB

Jul 4, 2002

PGPUB-DOCUMENT-NUMBER: 20020086405

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020086405 A1

TITLE: 56638, a novel human neprilysin protease and uses thereof

PUBLICATION-DATE: July 4, 2002

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY RULE-47

Silos-Santiago, Inmaculada Cambridge MA US Bandaru, Rajasekhar Watertown MA US

US-CL-CURRENT: 435/226; 435/320.1, 435/325, 435/6, 435/69.1, 536/23.2

Full Title Citation Front Review Classification Date Reference Sequences Attachments KMC Draw Desc

ZIP CODE

L2: Entry 5 of 17

File: USPT

May 20, 2003

US-PAT-NO: 6566130

DOCUMENT-IDENTIFIER: US 6566130 B1

TITLE: Androgen-regulated gene expressed in prostate tissue

DATE-ISSUED: May 20, 2003

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

Srivastava; Shiv

Potomac

MD

Moul; Judd W.

Bethesda

MD

Xu; Linda L.

Rockville

MD

Segawa; Takehiko

Rockville

US-CL-CURRENT: $\underline{435}/\underline{325}$; $\underline{435}/\underline{252.3}$, $\underline{435}/\underline{91.2}$, $\underline{536}/\underline{23.5}$, $\underline{536}/\underline{24.31}$, $\underline{536}/\underline{24.33}$

Full Title Citation Front Review Classification Date Reference Sequences Attachments

KWMC Draw, Desc

6. Document ID: US 6485963 B1

L2: Entry 6 of 17

File: USPT

Nov 26, 2002

COUNTRY

US-PAT-NO: 6485963

DOCUMENT-IDENTIFIER: US 6485963 B1

TITLE: Growth stimulation of biological cells and tissue by electromagnetic fields and

uses thereof

DATE-ISSUED: November 26, 2002

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

Wolf; David A.

Houston

TX

Goodwin; Thomas J.

Friendswood

TX

US-CL-CURRENT: 435/298.2; 435/299.1

Full Title Citation Front Review Classification Date Reference Sequences Attachments

KWMC - Draw Desc

7. Document ID: US 6426186 B1

L2: Entry 7 of 17

File: USPT

Jul 30, 2002

US-PAT-NO: 6426186

DOCUMENT-IDENTIFIER: US 6426186 B1

** See image for Certificate of Correction **

TITLE: Bone remodeling genes

DATE-ISSUED: July 30, 2002

INVENTOR-INFORMATION:

NAME

CITY

ZIP CODE STATE

COUNTRY

GB

Jones; Karen A.

Essex

Calabasas

CA

Volkmuth; Wayne Walker; Michael G.

Sunnyvale

CA

US-CL-CURRENT: $\underline{435}/\underline{6}$; $\underline{435}/\underline{320.1}$, $\underline{435}/\underline{440}$, $\underline{435}/\underline{69.1}$, $\underline{514}/\underline{44}$, $\underline{536}/\underline{23.1}$, $\underline{536}/\underline{24.1}$

Title Citation Front Review Classification Date Reference Sequences Attachments

KMC Draw Desc

3. Document ID: US 6348334 B1

L2: Entry 8 of 17

File: USPT

Feb 19, 2002

US-PAT-NO: 6348334

DOCUMENT-IDENTIFIER: US 6348334 B1

TITLE: DNA encoding Fas ligand

DATE-ISSUED: February 19, 2002

INVENTOR-INFORMATION:

NAME

CITY

ZIP CODE STATE

COUNTRY

Nagata; Shigekazu

Osaka-fu

JΡ

Suda; Takashi

Osaka-fu

JΡ

Takahashi; Tomohiro

Tokyo

JP JΡ

Nakamura; Norio

Tokyo

US-CL-CURRENT: $\underline{435}/\underline{69.5}$; $\underline{435}/\underline{252.3}$, $\underline{435}/\underline{254.2}$, $\underline{435}/\underline{320.1}$, $\underline{435}/\underline{325}$, $\underline{435}/\underline{70.1}$, $\underline{536}/\underline{23.1}$,

536/23.5

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |

KWMC Draws Desc

9. Document ID: US 6335170 B1

L2: Entry 9 of 17

File: USPT

Jan 1, 2002

US-PAT-NO: 6335170

DOCUMENT-IDENTIFIER: US 6335170 B1

TITLE: Gene expression in bladder tumors

DATE-ISSUED: January 1, 2002

INVENTOR-INFORMATION:

NAME

CITY

ZIP CODE STATE

COUNTRY

Orntoft; Torben F.

DK 8230 Aabyhoj

DK

US-CL-CURRENT: $\underline{435/6}$; $\underline{435/91.1}$, $\underline{435/91.2}$, $\underline{536/23.1}$, $\underline{536/24.3}$, $\underline{536/24.31}$, $\underline{536/24.31}$

Full Title Citation Front Review Classification Date Reference Sequences	Attachments KMC Draw Desc
1 10. Document ID: US 6093794 A	7 25 2000

☐ 10. Document ID: US 6093794 A

L2: Entry 10 of 17

File: USPT

Jul 25, 2000

US-PAT-NO: 6093794

DOCUMENT-IDENTIFIER: US 6093794 A

TITLE: Isolated peptides derived from the Epstein-Barr virus containing fusion

inhibitory domains

DATE-ISSUED: July 25, 2000

INVENTOR-INFORMATION:

NAME

ZIP CODE STATE CITY

COUNTRY

Barney; Shawn O'Lin

NC Cary

Lambert; Dennis Michael

NC Cary NC Cary

Petteway; Stephen Robert

US-CL-CURRENT: $\underline{530}/\underline{300}$; $\underline{424}/\underline{186.1}$, $\underline{424}/\underline{230.1}$, $\underline{530}/\underline{324}$, $\underline{530}/\underline{325}$, $\underline{530}/\underline{326}$, $\underline{530}/\underline{350}$

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11. Document ID: US 6054265 A

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File: USPT

Apr 25, 2000

US-PAT-NO: 6054265

DOCUMENT-IDENTIFIER: US 6054265 A

TITLE: Screening assays for compounds that inhibit membrane fusion-associated events

DATE-ISSUED: April 25, 2000

INVENTOR-INFORMATION:

NAME

STATE CITY NC

COUNTRY ZIP CODE

Barney; Shawn O'Lin

NCCary

Cary

Lambert; Dennis Michael Petteway, Jr.; Stephen Robert

NC Cary

US-CL-CURRENT: 435/5; 435/7.2

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Image									

KOMC - Draw, Desc

12. Document ID: US 6017536 A

L2: Entry 12 of 17

File: USPT

Jan 25, 2000

COUNTRY

ZIP CODE

US-PAT-NO: 6017536

DOCUMENT-IDENTIFIER: US 6017536 A

TITLE: Simian immunodeficiency virus peptides with antifusogenic and antiviral

activities

DATE-ISSUED: January 25, 2000

INVENTOR-INFORMATION:

STATE CITY NAME NC Cary Barney; Shawn O'Lin NC Cary

Lambert; Dennis Michael NC Cary Petteway; Stephen Robert NC Durham Langlois; Alphonse J.

US-CL-CURRENT: 424/188.1; 424/208.1, 530/300, 530/324, 530/325, 530/326

Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |

13. Document ID: US 6013263 A

L2: Entry 13 of 17

File: USPT

Jan 11, 2000

US-PAT-NO: 6013263

DOCUMENT-IDENTIFIER: US 6013263 A

TITLE: Measles virus peptides with antifusogenic and antiviral activities

DATE-ISSUED: January 11, 2000

INVENTOR-INFORMATION:

NAME

CITY STATE ZIP CODE

COUNTRY

Barney; Shawn O'Lin

Cary NC

Lambert; Dennis Michael

Cary NC

Petteway; Stephen Robert

Cary NC

US-CL-CURRENT: $\underline{424}/\underline{212.1}$; $\underline{424}/\underline{184.1}$, $\underline{424}/\underline{186.1}$, $\underline{530}/\underline{300}$, $\underline{530}/\underline{324}$, $\underline{530}/\underline{325}$, $\underline{530}/\underline{326}$

Full Title Citation Front Review Classification Date Reference Sequences Attachments

KMMC | Draw, Desc

14. Document ID: US 5427927 A

L2: Entry 14 of 17

File: USPT

Jun 27, 1995

US-PAT-NO: 5427927

DOCUMENT-IDENTIFIER: US 5427927 A

TITLE: Process for the enzymatic cleavage of recombinant proteins using IgA proteases

DATE-ISSUED: June 27, 1995

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Meyer; Thomas F. Tubingen DE
Pohlner; Johannes Tubingen DE
Schumacher; Gunter Bernried DE
Dony; Carola Starnberg DE

US-CL-CURRENT: $\underline{435/69.7}$; $\underline{435/252.3}$, $\underline{435/252.33}$, $\underline{435/320.1}$, $\underline{435/69.52}$, $\underline{530/351}$,

536/23.4

Full Title Citation Front Review Classification Date Reference Sequences Attachments KMC Draw Description

15. Document ID: US 5334511 A

L2: Entry 15 of 17

File: USPT

Aug 2, 1994

US-PAT-NO: 5334511

DOCUMENT-IDENTIFIER: US 5334511 A

TITLE: Isolated mink growth hormone genes, novel recombinant DNA and methods for producing mink growth hormone

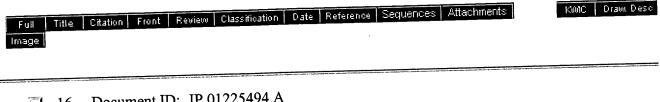
DATE-ISSUED: August 2, 1994

INVENTOR-INFORMATION:

COUNTRY ZIP CODE STATE CITY NAME JΡ Noda Harada; Yasuhiro JP Noda Nakano; Eiichi JΡ Noda Tatsumi; Hiroki JP

Sendai Umezu; Motoaki

US-CL-CURRENT: 435/69.4; 435/252.33, 435/320.1, 536/23.1



16. Document ID: JP 01225494 A

L2: Entry 16 of 17

File: JPAB

Sep 8, 1989

PUB-NO: JP401225494A

DOCUMENT-IDENTIFIER: JP 01225494 A

TITLE: METHOD FOR SOLUBILIZING WATER-INSOLUBLE FUSED PROTEIN

PUBN-DATE: September 8, 1989

INVENTOR-INFORMATION:

NAME

COUNTRY

YAMAMOTO, KAZUHIKO MIURA, HITOSHI

US-CL-CURRENT: 530/412

INT-CL (IPC): C12P 21/00; C07K 3/00

Full Title Citation Front Review Classification	Date Reference Sequences Attachments	KMC Draw Desc
Image		

17. Document ID: JP 2002541776 W WO 200050580 A2 CA 2262056 A1 AU 200027900 A EP 1159412 A2

L2: Entry 17 of 17

File: DWPI

Dec 10, 2002

DERWENT-ACC-NO: 2000-565455

DERWENT-WEEK: 200301

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TITLE: Novel soluble human PHEX enzyme useful for treating phosphaturia and/or hypophosphatemia, is a gene product of phosphate-regulating gene having homology to endopeptidase on X chromosome

INVENTOR: BOILEAU, G; CRINE, P

PRIORITY-DATA: 1999CA-2262056 (February 24, 1999)

PATENT-FAMILY: PUB-NO JP 2002541776 W WO 200050580 A2 CA 2262056 A1 AU 200027900 A	PUB-DATE December 10, 2002 August 31, 2000 August 24, 2000 September 14, 2000	LANGUAGE E E	PAGES 080 064' 000	MAIN-IPC C12N015/09 C12N009/64 C12N015/57 C12N009/64
AU 200027900 A EP 1159412 A2	September 14, 2000 December 5, 2001	E	000	C12N009/64

INT-CL (IPC): A61 K 38/46; A61 K 38/48; A61 K 39/00; A61 K 39/395; A61 K 48/00; A61 P 3/12; A61 P 19/08; C07 K 16/40; C12 M 1/00; C12 N 1/15; C12 N 1/19; C12 N 1/21; C12 N 1/22; C12 N 1

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- 160 FILE LIFESCI
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- 4 FILE NTIS
- 2674 FILE PASCAL
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- 15 FILE PHARMAML
- 1 FILE PHIC 36 FILE PHIN
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- 1100 FILE SCISEARCH 998 FILE TOXCENTER
- 1759 FILE USPATFULL
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- 2 FILE VETU
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- 9 FILE IPA
- 5 FILE NAPRALERT
- 31 FILE NLDB
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         Aug 19
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                 PCTFULL now covers WP/PCT Applications from 1978 to date
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                  TOXCENTER enhanced with additional content
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                  Pharmacokinetic information and systematic chemical names
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                  MEDLINE file segment of TOXCENTER reloaded
                   Supporter information for ENCOMPPAT and ENCOMPLIT updated
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                   CHEMREACT will be removed from STN
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                   RAPRA enhanced with new search field, simultaneous left and
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           May 19
                   right truncation
                April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT
  NEWS EXPRESS
                MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
                AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003
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70 FILES IN THE FILE LIST IN STNINDEX

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F40	9	IPA
F41	8	DDFB
F42	8	DRUGB
F43	8	NIOSHTIC
F44	6	FSTA
F45	5	NAPRALERT
F46	4	NTIS
F47	3	ANABSTR
F48	2	AQUASCI
F49	2	FROSTI
F50	2	VETU
F51	1	BIOCOMMERCE
F52	1	CROPU
F53	1	PHIC
F54	1	RDISCLOSURE
F55		

=> file f1-f21 COST IN U.S. DOLLARS SINCE FILE TOTAL SESSION 4.40 4.61

FULL ESTIMATED COST

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=> s human? and (phex? or pex? or xlh? or hyp?) 3 FILES SEARCHED...

7 FILES SEARCHED... 10 FILES SEARCHED...

14 FILES SEARCHED...

16 FILES SEARCHED...

3988637 HUMAN? AND (PHEX? OR PEX? OR XLH? OR HYP?) L2

=> s human? (s) (phex? or pex? or xlh? or hyp?)

3 FILES SEARCHED...

6 FILES SEARCHED... 8 FILES SEARCHED...

11 FILES SEARCHED...

PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH FIELD CODE - 'AND' OPERATOR ASSUMED 'HUMAN? (S) '

14 FILES SEARCHED... 16 FILES SEARCHED...

1035353 HUMAN? (S) (PHEX? OR PEX? OR XLH? OR HYP?)

=> s 13 (s) solub? PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH FIELD CODE - 'AND' OPERATOR ASSUMED 'L33 (S) SOLUB?' 12684 L3 (S) SOLUB? **L4**

=> s 13 (s) solub? (s) (phex? or pex?) PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH FIELD CODE - 'AND' OPERATOR ASSUMED 'L33 (S) SOLUB?' PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH FIELD CODE - 'AND' OPERATOR ASSUMED 'SOLUB? (S) ' 45 L3 (S) SOLUB? (S) (PHEX? OR PEX?)

DUPLICATE IS NOT AVAILABLE IN 'FEDRIP, GENBANK, DGENE, ADISINSIGHT'. ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE PROCESSING COMPLETED FOR L5 26 DUP REM L5 (19 DUPLICATES REMOVED) => d ti 16 1-26 ANSWER 1 OF 26 USPATFULL Identification of modulatory molecules using inducible promoters L6 ΤI ANSWER 2 OF 26 USPATFULL L6 Libraries of expressible gene sequences ΤI ANSWER 3 OF 26 USPATFULL L6 Method of improving cognitive function ΤI ANSWER 4 OF 26 USPATFULL Androgen-regulated gene expressed in prostate tissue L6 TΙ ANSWER 5 OF 26 USPATFULL Compounds for the treatment of sexual dysfunction L6 ΤI ANSWER 6 OF 26 USPATFULL TNF and IFN stimulated genes and uses therefor 1.6 TI ANSWER 7 OF 26 USPATFULL Compounds for the treatment of sexual dysfunction 1.6 TIANSWER 8 OF 26 USPATFULL 56638, a novel human neprilysin protease and uses thereof 1.6 ΤI ANSWER 9 OF 26 USPATFULL Growth stimulation of biological cells and tissue by electromagnetic 1.6 TT fields and uses thereof ANSWER 10 OF 26 USPATFULL L6 Bone remodeling genes TIANSWER 11 OF 26 USPATFULL Ь6 DNA encoding Fas ligand ΤI ANSWER 12 OF 26 SCISEARCH COPYRIGHT 2003 THOMSON ISIDUPLICATE 1 Human Pex19p binds peroxisomal integral membrane proteins at regions L6 TΙ distinct from their sorting sequences DUPLICATE 2 MEDLINE ANSWER 13 OF 26 Characterization of PHEX endopeptidase catalytic activity: identification L6 of parathyroid-hormone-related peptide107-139 as a substrate and TIosteocalcin, PPi and phosphate as inhibitors. ANSWER 14 OF 26 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 3 L6 Soluble form of human PHEX and its ΤI production with recombinant cells ANSWER 15 OF 26 SCISEARCH COPYRIGHT 2003 THOMSON ISIDUPLICATE 4 The peroxin Pex3p initiates membrane assembly in peroxisome biogenesis L6 ΤI ANSWER 16 OF 26 SCISEARCH COPYRIGHT 2003 THOMSON ISIDUPLICATE 5 Newly identified Chinese hamster ovary cell mutants are defective in L6. biogenesis of peroxisomal membrane vesicles (peroxisomal ghosts), ΤI representing a novel complementation group in mammals ANSWER 17 OF 26 USPATFULL Process for the enzymatic cleavage of recombinant proteins using IgA L6 ΤI proteases

L6 ANSWER 18 OF 26 USPATFULL

TI Isolated mink growth hormone genes, novel recombinant DNA and methods for producing mink growth hormone

L6 ANSWER 19 OF 26 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE

TI CONSTRUCTION OF A NEW FAMILY OF HIGH EFFICIENCY BACTERIAL EXPRESSION VECTORS IDENTIFICATION OF COMPLEMENTARY DNA CLONES CODING FOR HUMAN LIVER PROTEIN.

L6 ANSWER 20 OF 26 DGENE (C) 2003 THOMSON DERWENT

New matrix metalloprotease-2 derivative peptides, are alpha-v-beta-3 integrin receptor inhibitors useful e.g. for treating thrombosis, cardiac infarction, tumors, osteoporosis, inflammation or infections -

L6 ANSWER 21 OF 26 DGENE (C) 2003 THOMSON DERWENT

Novel soluble human PHEX enzyme useful for treating phosphaturia and/or hypophosphatemia, is a gene product of phosphate-regulating gene having homology to endopeptidase on X chromosome -

L6 ANSWER 22 OF 26 DGENE (C) 2003 THOMSON DERWENT

Novel soluble human PHEX enzyme useful for treating phosphaturia and/or hypophosphatemia, is a gene product of phosphate-regulating gene having homology to endopeptidase on X chromosome -

L6 ANSWER 23 OF 26 DGENE (C) 2003 THOMSON DERWENT

TI Novel **soluble human PHEX** enzyme useful for treating phosphaturia and/or **hypophosphatemia**, is a gene product of phosphate-regulating gene having homology to endopeptidase on X chromosome -

L6 ANSWER 24 OF 26 DGENE (C) 2003 THOMSON DERWENT

Novel soluble human PHEX enzyme useful for treating phosphaturia and/or hypophosphatemia, is a gene product of phosphate-regulating gene having homology to endopeptidase on X chromosome -

L6 ANSWER 25 OF 26 DGENE (C) 2003 THOMSON DERWENT

Novel soluble human PHEX enzyme useful for treating phosphaturia and/or hypophosphatemia, is a gene product of phosphate-regulating gene having homology to endopeptidase on X chromosome -

L6 ANSWER 26 OF 26 DGENE (C) 2003 THOMSON DERWENT

Novel soluble human PHEX enzyme useful for treating phosphaturia and/or hypophosphatemia, is a gene product of phosphate-regulating gene having homology to endopeptidase on X chromosome -

=> d 16 14 21 ibib abs

L6 ANSWER 14 OF 26 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 3

ACCESSION NUMBER: 2000:60

2000:608890 CAPLUS

DOCUMENT NUMBER:

133:204744

TITLE: Soluble form of human PHEX

and its production with recombinant cells

INVENTOR(S): Crine, Philippe; Boileau, Guy PATENT ASSIGNEE(S): Universite De Montreal, Can.

SOURCE: PCT Int. Appl., 64 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE:

English

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

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KIND DATE
                                                               APPLICATION NO. DATE
       PATENT NO.
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      WO 2000050580 A2 20000831
WO 2000050580 A3 20010802
                                                               WO 2000-CA201
                                                                                        20000224
             W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU,
                  CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
             RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
                                A2 20011205 EP 2000-906114
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       EP 1159412
             R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
                   IE, FI
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                                 T2
                                         20021210
                                                                JP 2000-601144
       JP 2002541776
                                                           CA 1999-2262056 A 19990224
PRIORITY APPLN. INFO.:
                                                                                    W 20000224
                                                           WO 2000-CA201
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This invention relates to a sol. form of PHEX (aka PEX), PHEX being a type AΒ II integral membrane glycoprotein. This enzyme is the gene product of a phosphate-regulating gene with homologies to endopeptidases on the X chromosome. To produce a sol. form of PHEX, the transmembrane anchor domain has been modified to encode a signal peptidase coding sequence. The sol. PHEX therefore comprises the active ectodomain. An inactive mutant of PHEX is also an object of this invention. Both sol. and inactive mutant forms of PHEX can be used to screen ligands to PHEX. These ligands can also be used as substrates or inhibitors of PHEX. PHEX being phosphaturic, an inhibitor thereof will be used to treat phosphaturia and/or hypophosphatemia. Also, a substrate for PHEX or PHEX itself can be used to treat hyperphosphatemia.

THERE ARE 47 CITED REFERENCES AVAILABLE FOR THIS 47 REFERENCE COUNT: RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ANSWER 21 OF 26 DGENE (C) 2003 THOMSON DERWENT L6 ACCESSION NUMBER: AAY96190 protein DGENE

TITLE:

Novel soluble human PHEX enzyme

useful for treating phosphaturia and/or hypophosphatemia, is a gene product of

phosphate-regulating gene having homology to endopeptidase on

X chromosome

Crine P; Boileau G INVENTOR: PATENT ASSIGNEE: (UYMO-N)UNIV MONTREAL.

64p PATENT INFO: WO 2000050580 A2 20000831

APPLICATION INFO: WO 2000-CA201 20000224 PRIORITY INFO: CA 1999-2262056 19990224

DOCUMENT TYPE: Patent LANGUAGE: English

2000-565455 [52] OTHER SOURCE:

Human PHEX. DESCRIPTION:

AAY96190 protein DGENE AN

The present sequence is that of human PHEX (a gene AΒ product of phosphate-regulating gene with homology to endopeptidase on X chromosome). Absence of a functioning PHEX gene is associated with hypophosphatemia. PHEX is a type II integral membrane glycoprotein. To produce a soluble form of PHEX, the transmembrane anchor domain was modified with a signal peptidase coding sequence (see AAY96188 and AAY96189). The soluble PHEX thus comprised the active ectodomain. An inactive PHEX can also constructed by replacement of the Glu-582 residue by a hydrophobic amino acid residue, especially valine.

Soluble and inactive mutant forms of PHEX can be used to screen ligands to PHEX. These ligands are used as substrates or inhibitors of PHEX. Since PHEX is phosphaturic, an inhibitor can be used to treat phosphaturia and/or hypophosphatemia. A substrate for PHEX, or PHEX itself, can be used to treat hyperphosphatemia, including its most frequent manifestations, secondary hyperparathyroidism and renal osteodystrophy.

=> d his

(FILE 'HOME' ENTERED AT 19:28:45 ON 05 JUN 2003)

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 19:28:57 ON 05 JUN 2003

SEA ENDOPEPTIDAS? AND (PHEX? OR PEX? OR XLH? OR HYP?)

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